9–255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Carmel 15' Quad.

P454

Carmel 15' quad
15y - 5.8$ - 2.9E

Locate well on plat of section.

RECORD OF WELL

1. **Location:** State New York County Putnam
Nearest P. O. _____ Direction from P. O. _____
Distance from P. O. _____ miles; _____ ¼ sec. _____, T. _____, R. _____
If in city, give street and number Town of Carmel

2. **Owner:** William H. Bennett Address Carmel, N.Y.
Driller: P.F. Beal and Sons, Inc. Address 4 Putnam Ave., Brewster, N. Y.
~~Man on rig: Spence Coleman~~ ✓

3. **Situation:** Is well on upland, in valley, or on hillside? Terrace on hillside

4. **Elevation of top of well:** 575 ft. above (Above or below) the level of sea (Sea, depot, lake, or stream)

5. **Type of well:** drilled (Dug, driven, bored, or drilled); kind of drilling rig used Core (Solid tool, jetting, rotary, etc.)

6. **Depth of well:** 226 ~~owner~~ 186 - Beal ft.; year in which well was finished 1932
Does well enter rock? yes; if so, at what depth? 30 ✓ ft.; kind of rock granite gneiss

7. **Diameter:** At top 6 inches; at bottom 6 inches.

8. **Principal water bed:** granite gneiss (Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed _____ ft.; thickness of bed _____ ft.
If other water supplies were found, give depth to each _____

9. **Casings:** Kind steel; size 6"; length 235 ft.; between depths of 0 and 235 ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
Packers (if any): Depth at which packers were used None; kind —
Screen or Strainer: Was well finished with screen? No; kind of screen —;
length of screen _____ ft.; diameter _____ inches; size of openings _____

10. **Head:** Does well at present overflow without pumping? No; did it overflow when new? No;
if flowing, give pressure — lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
original pressure or head —; if not flowing, give water level in well 40 ft. below surface. reported

11. **Pump:** Is the well pumped? yes; kind of pump Meyers, DW
size or capacity of pump 9 GPM; kind of power electric

12. **Yield:** Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at 12 gallons per minute continuously for 5 - at least hours; bailer test
quantity of water ordinarily obtained from well 200 gallons per day (rough guess)

13. **Use:** For what purpose is the water used? Domestic - 2 families

14. **Quality of the water:** soft; is there an analysis? _____
(Hard or soft, fresh or salty, etc.)

15. **Cost of well,** not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank I. C. Crossman from driller's records & owner
Date 5-6-50 Address U. S. Geol. Survey, Albany (5-6-50) (4-9-58)

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

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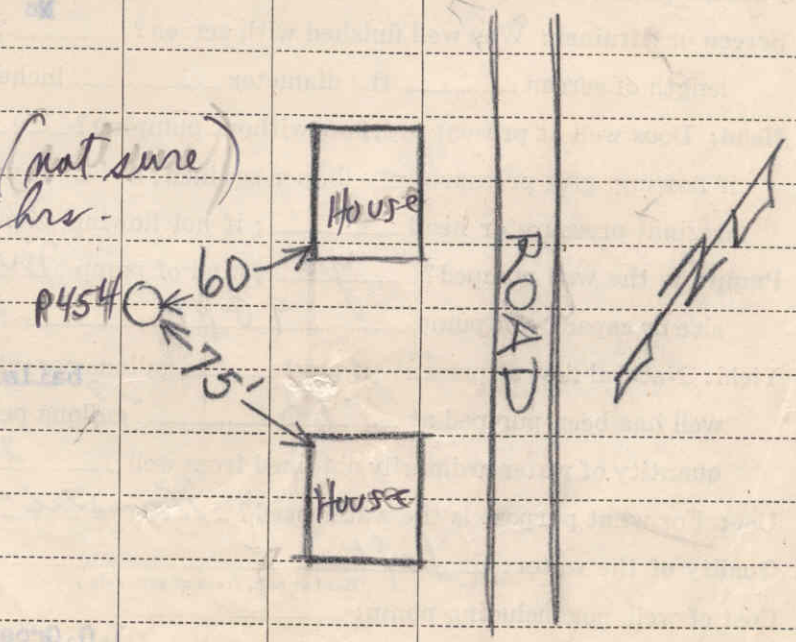
+ Spence Coleman 8-29-58

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	DEPTH, IN FEET To—	THICKNESS, IN FEET	REMARKS (Especially information as to water found)
Topsoil (OLD DUG well)	0	2	2	
Hardpan (OLD DUG well)	2	30	28	
Granite gneiss	30	186	156	
This is a light gray biotite - hornblende gneiss - J.G.S. Drill core still on property. Well was originally a dug well which dried up in dry summers.				
Exposure at gravel pit about 100 yds & 1/4 mile north west of house, ~~along road~~ shows the following glacial sequence.				
Soil (with boulders)	0	1	1	
Boulders in silt	1	2 1/2	1 1/2	Wide assortment of boulders from less than 2' to over 4'. Most are under one ft. in size.
Cross bedded sand & gravel	2 1/2	4 1/2	2	
Static level 40 Pumping level probably 50 ft. (not sure) Duration of test - at least 5 hrs.				



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